

Dobcroft Junior School Computing and Online Safeguarding Overview

	Autumn 1 st Half	Autumn 2 nd Half	Spring 1 st Half	Spring 2 nd Half	Summer 1 st Half	Summer 2 nd Half
Year 3 Computing Objectives	<p>Word Document - turn on/off, use word and save files.</p> <p>Do they know how to manipulate text, underline text, centre text, change font and size and save text to a folder?</p>	<p>Scratch</p> <p>Can they experiment with variables to control models?</p> <p>Can they use 90 degree and 45 degree turns?</p> <p>Can they give an on-screen robot directional instructions?</p> <p>Can they draw a square, rectangle and other regular shapes on screen, using commands?</p> <p>Can they write more complex programs?</p> <p>Can they manipulate sound</p>		<p>Greek Gads</p> <p>Create a fact file for their favourite God.</p> <p>Can they input data into a prepared database?</p> <p>Can they sort and search a database to answer simple questions? (already do just on paper not computers) Would require us to create a database - Answer questions using the database.</p> <p>Branching database - link to shape for the end</p>	<p>Volcano - presentation</p> <p>Can they create a presentation that moves from slide to slide and is aimed at a specific audience?</p> <p>Can they combine text, images and sounds and show awareness of audience?</p> <p>Can they find relevant information by browsing a menu.</p> <p>Can they search for an image, copy and paste it into a document?</p> <p>Can they use 'Save picture as'</p>	<p>Plants</p> <p>Can they manipulate sound when using simple recording story boarding?</p> <p>Can they review images on a camera and delete unwanted images?</p> <p>Have they experienced downloading images from a camera into files on the computer?</p> <p>Can they use photo editing software to crop photos and add effects?</p>

		when using simple recording story boarding?		of the topic - investigation stand alone lesson?	to save an image to the computer? Can they copy and paste text into a document? Can they use the email address book? Can they open and send an attachment?	
--	--	---	--	--	---	--

Year 4 Computing Objectives	<u>Roman Wiki using Google sites</u> -Can they use a search engine to find a specific website? -Can they use note-taking skills to decide which text to copy and paste into a document? -Can they use tabbed browsing to open two or more web pages at the same time?	<u>Word process play scripts (English)</u> -Can they use the automatic spell checker to edit spellings? -Do they know how to manipulate text, underline text, centre text, change font and size and save text to a folder?	<u>Weather presentation (Excel, Word and PowerPoint)</u> -Can they input data into a prepared database? -Can they sort and search a database to answer simple questions? -Do they recognise what a spread sheet is? -Can they use the terms cells, rows and columns? -Can they enter data, highlight it and make bar charts? -Can they create a lengthy presentation that moves from slide to slide and is aimed at a specific audience? -Can they insert sound recordings into a multi media presentation?	<u>Scratch - Maths Game</u> -Can they use repeat instructions to draw regular shapes on screen, using commands? -Can they experiment with variables to control models? -Can they make turns specifying the degrees? -Can they give an on-screen robot specific directional	<u>Persuasive Film Trailers (English)</u> -Can they capture images using webcams, screen capture, scanning, visualiser and internet?
------------------------------------	--	--	--	--	---

	<ul style="list-style-type: none"> -Can they open a link to a new window? -Can they open a document (pdf) and view it? -Do they appreciate the benefits of ICT to send messages and to communicate? -Can they capture images using webcams, screen capture, scanning, visualiser and internet? (Print screen) 		<ul style="list-style-type: none"> -Can they choose images and download into a file? -Can they download images from the camera into files on the computer? -Can they copy graphics from a range of sources and paste into a desktop publishing program? 	<p>instructions that takes them from x to y?</p> <ul style="list-style-type: none"> -Can they make accurate predictions about the outcome of a program they have written? 	
--	---	--	--	--	--

<p>Year 5 Computing Objectives</p>	<p>What's Beyond the Earth?</p> <p>Links to D&T Moving toys - searching for ideas for object on top of CAM.</p> <p>Using the internet</p>	<p>Algorithms and Programs</p> <p>Can they combine sequences of instructions and procedures to turn devices on or off?</p> <p>Do they understand input and output?</p>	<p>Data Retrieving and Organising</p> <p>Can they listen to streaming audio such as online radio?</p> <p>Can they download and listen to podcasts?</p>	<p>Communicating</p> <p>Can they use instant messaging to communicate with class members?</p> <p>Can they conduct a video chat with someone elsewhere</p>	<p>Who lives deep in the Wild Woods?</p> <p>This needs to be developed from original blogs about sunflower seeds and developed to include moving images and sounds and video.</p>	<p>Who lives deep in the Wild Woods?</p> <p>Links to science and writing blogs about sunflowers Presentation Can they make a home page for a website that contains links to other pages?</p>
---	--	---	---	--	--	--

<p>Can they use a search engine using keyword searches?</p> <p>Can they compare the results of different searches?</p> <p>Can they decide which sections are appropriate to copy and paste from at least two web pages?</p> <p>Can they save stored information following simple lines of enquiry?</p> <p>Can they download a document and save it to the computer?</p> <p>Communicating</p> <p>Link to D&T chn to write an evaluation of their moving toy using bullet points to show</p>	<p>Can they use an ICT program to control an external device that is electrical and/or mechanical?</p> <p>Can they use ICT to measure sound or light or temperate using sensors?</p> <p>Can they explore 'What is' questions by playing adventure or quest games?</p> <p>Can they write programs that have sequences and repetitions?</p>	<p>Can they produce and upload a podcast?</p> <p>Can they manipulate sounds using Audacity?</p> <p>Can they select music from open sources and incorporate it into multimedia presentations?</p> <p>Can they work on simple film editing?</p>	<p>in the school or in another school?</p>	<p>Can they use a range of presentation applications?</p> <p>Do they consider audience when editing a simple film?</p> <p>Do they know how to prepare and then present a simple film?</p> <p>Can they use ICT to record sounds and capture both still and video images?</p> <p>Can they make a home page for a website that contains links to other pages?</p> <p>Can they capture sounds, images and video?</p>	<p>Database</p> <p>Links to geography and river topic (needs to be planned).</p> <p>Can they search databases for information using symbols such as = > or <?</p> <p>Can they create databases planning the fields, rows and columns?</p> <p>Can they create graphs and tables to be copied and pasted into other documents?</p>
--	---	---	--	--	--

	<p>what went well and then number what they would do differently next time all within a 100 word count??</p> <p>Can they use the word count tool to check the length of a document?</p> <p>Can they use bullets and numbering tools?</p>					
--	--	--	--	--	--	--

<p>Year 6 Computing Objectives</p>	<p>Introduction to spreadsheets, entering data, formulae, formatting cells, creating totals & presenting data graphically.</p> <p>Can they identify data error, patterns and sequences?</p>	<p>Topic: VIKINGS</p> <p>Can they use a search engine using keyword searches?</p> <p>Can they use complex searches using + OR "Find the phrase"</p>	<p>KODU</p> <p>Can they explain how an algorithm works?</p> <p>Can they detect errors in a program and correct them?</p> <p>Can they check and refine a series of instructions?</p>	<p>POWERPOINT</p> <p>Can they create a sophisticated multimedia presentation?</p> <p>Can they confidently use text formatting tools?</p>	<p>EXCEL</p> <p>To implement formulae handling data (linked to a real life theme park development).</p> <p>Can they create their own database and present information from it?</p>
---	---	---	---	--	--

	<p>Planning a party spreadsheet - using formulae</p> <p>Can they use the formulae bar to explore mathematical scenarios?</p>				
--	--	--	--	--	--